



Burroughs Corporation



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RELIABILITY

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MAXIMUM  
MODULARITY

# MAGNETIC TAPE CLUSTER SPECIFICATIONS FOR MODEL 9381 AND MODEL 9382

## GENERAL INFORMATION

Can be ordered with two, three, or four tape stations.  
Can perform read and/or write on any two tapes concurrently.  
Can read in forward or reverse mode.  
All stations can be rewind simultaneously.  
Positive tape drive is accomplished through the use of capstans and improved pinch roller action.  
Individual Reel Servo Drive for each station.  
Stations share read/write electronics, power, capstan drive source, and information paths.  
Two Clusters (up to 8 stations) can be operated in Master-Slave configuration.

OPERATING CHARACTERISTICS	9381	9382
Tape Speed	45 In/Sec	45 In/Sec
Transfer Rate (Max)	36 KB	72 KB
Information Packing Densities	200,556,800 BPI	200,800,1600 BPI
Tape Reel (Dia)	10½	10½
Rewind Time (2400 Reel)	Under 4½ min	Under 4½ min
*Start Time	5 ms	5 ms
*Stop Time	3.5 ms	3.5 ms
*Reversal Time (Rd Fwd to Rd Rev)	12 ms	12 ms
*Start Distance (Refer to Note 1)	0.3 inch	0.3 inch
*Restart Delay Time (Refer to Note 2)	4.0 ms	4.0 ms
*Stop Distance	0.1 inch	0.1 inch
Write Lockout Feature	Yes	Yes
Dimensions	43HX36WX30D	43HX42WX30D
Weight	800 pounds	850 pounds
BOT/EOT Sensing	Photoelectric	Photoelectric
Automatic Unload	Yes	Yes
Recording Mode	NRZI	NRZI/PE

\* For 9-Channel Operation

Note 1: Time forward command received to the time tape speed is stabilized to within 5 percent of steady state speed.

Note 2: Time between removal of tape drive and reinstating tape drive on the same station. No restart delay is required when switching from one station to another.

## CONTROLS AND INDICATORS

Power on - Power off  
Density Selection  
Rewind  
Station Designate (Optional)  
Status Indicator

## POWER REQUIREMENTS

208/230 V, 50/60 Cycle, Single Phase,  
3 wire plus building ground.

